

Art Unit 2653
Serial No. 10/633,145

PATENT
Attorney Docket No.: K35A1301

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A head stack assembly for a disk drive, comprising:

a stamped actuator arm;

a head gimbal assembly attached to the stamped actuator arm, the head gimbal assembly including a base plate, and a trace suspension flex having a metal base layer and a plurality of conductors supported by the metal base layer;

the stamped actuator arm including:

an actuator arm side surface extending longitudinally along the stamped actuator arm; and

~~a plurality of~~ at least two but not more than three longitudinally spaced-apart stamped protrusions, the stamped protrusions being in contact with the trace suspension flex, each stamped protrusion extending from the actuator arm side surface, ~~and the plurality of stamped protrusions being an integer in a range between 2 to 3.~~

Claim 2 (previously presented): The head stack assembly of claim 1, wherein the stamped actuator arm further includes a top surface extending longitudinally along the stamped actuator arm, and each stamped protrusion extends from the actuator arm side surface in a direction that is generally parallel to the top surface.

Claim 3 (previously presented): The head stack assembly of claim 1, wherein the trace suspension flex is attached to at least one of the stamped protrusions.

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Claim 4 (previously presented): The head stack assembly of claim 1, wherein at least one of the stamped protrusions has a thickness that is substantially less than that of the stamped actuator arm.

Claim 5 (currently amended): A disk drive comprising:
a disk drive base;
a spindle motor attached to the disk drive base;
a disk supported on the spindle motor;
a head stack assembly rotatably coupled to the disk drive base;
the head stack assembly including:
a stamped actuator arm;
a head gimbal assembly attached to the stamped actuator arm, the head gimbal assembly including a base plate, and a trace suspension flex having a metal base layer and a plurality of conductors supported by the metal base layer;
the stamped actuator arm including:
an actuator arm side surface extending longitudinally along the stamped actuator arm; and
~~a plurality of at least two but not more than three~~ longitudinally spaced-apart stamped protrusions, the stamped protrusions being in contact with the trace suspension flex, each stamped protrusion extending from the actuator arm side surface, ~~the plurality of stamped protrusions being an integer in a range between 2 to 3.~~

Claim 6 (previously presented): The disk drive of claim 5, wherein the stamped actuator arm further includes a top surface extending longitudinally along the stamped actuator arm, and each stamped protrusion extends from the actuator arm side surface in a direction that is generally parallel to the top surface.

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Claim 7 (previously presented): The disk drive of claim 5, wherein the trace suspension flex is attached to at least one of the stamped protrusions.

Claim 8 (previously presented): The disk drive of claim 5, wherein the integer is 3 and the stamped protrusions are generally equally spaced-apart longitudinally along the actuator arm side surface.

Claim 9 (previously presented): The disk drive of claim 5, wherein at least one of the stamped protrusions has a thickness that is substantially less than that of the stamped actuator arm.